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FEET TRANSMITTAL

for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 225)

Complete if Known

Application Number	10/045,309
Filing Date	January 10, 2002
First Named Inventor	David A. Boas
Examiner Name	Richard A. Rosenberger
Art Unit	2877
Attorney Docket No.	034927/US - 475387-00022

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number 50-2054
Deposit Account Name DORSEY & WHITNEY LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395			Utility filing fee	
1002 350	2002 175			Design filing fee	
1003 550	2003 275			Plant filing fee	
1004 790	2004 395			Reissue filing fee	
1005 160	2005 80			Provisional filing fee	
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
142	8		-137** = 5	x 9	= 45
			- 3** = 5	x 0	= 0

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 45)		

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180)

(Complete if applicable)

Name (Print/Type)	Gary Abelev, Esq.	Registration No. (Attorney/Agent)	40,479	Telephone	212-415-9371
Signature					

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

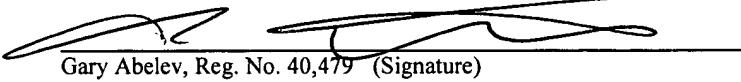


034927/US - 475387-00022
PATENT

IN THIS UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s) : David A. BOAS et al.
Serial No. : 10/045,309
Filed : January 10, 2002
Entitled : CALIBRATION METHODS AND SYSTEMS FOR DIFFUSE
OPTICAL TOMOGRAPHY AND SPECTROSCOPY
Group Art Unit : 2877
Examiner : Richard A. Rosenberger

I hereby certify that this document is being deposited with the United
States Postal Service as First Class Mail addressed to Commissioner
for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on this
28 day of October, 2004.



Gary Abelev, Reg. No. 40,479 (Signature)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached Form PTO 1449, and respectfully request that the listed documents be considered by the Examiner and made of record in the above-captioned application. Copies of the patent references listed on the Form PTO-1449 are enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under

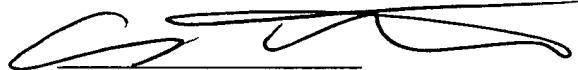
United States law, applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

This submission is being filed before after a first action by the U.S. Patent and Trademark Office on the merits but before the final action or notice of allowance therefore. Therefore, applicants are enclosing herewith a requisite fee of \$180 pursuant to 37 C.F.R. § 1.97(c) in connection with the submission of this paper. If any additional fee is due, or if any overpayment has been made, the Commissioner is authorized to charge any such fee or credit any overpayment, to our Deposit Account No. 02-4377.

Respectfully submitted,

DORSEY & WHITNEY, LLP



Gary Abelev
PTO Reg. No. 40,479
Attorneys for Applicants
(212) 415-9371

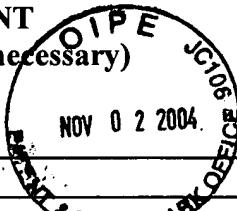
4836-8880-2560\1

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
034927/US-475387-00022

Serial No.
10/045,309

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)**



Applicant(s)
David A. BOAS et al.

Filing Date
January 10, 2002

Group
2877

U.S. PATENT DOCUMENTS

*Exam. Init.		Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENT

		Document No.							Date	Country	Class	SubClass	Translator Yes No
	WO	0	1	1	9	2	4	1	March 22, 2001	WIPO*			N/A
	WO	9	8	5	2	6	4	6	November 26, 1998	WIPO*			N/A
		0	6	2	7	6	2	0	June 2, 2004	Europe*			N/A

*References Cited in International Search Report which is enclosed.

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

International Search Report for an associated International Patent Application No. PCT/US02/00860.

4849-6387-0976\1

NY02:492562.1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.